

WHAT IS CLAIMED IS:

1. An information processing apparatus for transmitting the information to be transferred to a reception terminal, comprising:

accommodating capability verifying means for verifying the information accommodating capability in said reception terminal or in a communication system encompassing said reception terminal, based on the destination information in sending the transfer information to said reception terminal;

information converting means for converting the transfer information to be transmitted in meeting with the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal if the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal is not matched to said transfer information to be transmitted; and

transmission means for transmitting said transfer information.

2. The information processing apparatus according to claim 1 wherein the E-mail information is sent as said transfer information to said reception terminal.

3. The information processing apparatus according to claim 2 wherein said accommodating capability verifying means verifies the information accommodating capability of said reception terminal based on a domain name of an E-mail address as said destination information and/or on a previously provided information accommodating capability table of a reception terminal or a system encompassing said

reception terminal.

4. The information processing apparatus according to claim 2 wherein, if said reception terminal or said communication system encompassing said reception terminal is not matched to the file information, said information converting means generates the E-mail information stating a method enabling a user of said reception terminal to confirm the contents of said file information;

said transmission means sending said E-mail.

5. The information processing apparatus according to claim 4 wherein, if said reception terminal or said communication system encompassing said reception terminal is not matched to the file information, said information converting means states the accessing information to means for saving said file information in said E-mail as a method enabling the confirmation of the contents of said file information.

6. The information processing apparatus according to claim 2 wherein the file information attached to said E-mail is an image file.

7. The information processing apparatus according to claim 2 wherein the information accommodating capability of said reception terminal or said communication system encompassing said reception terminal includes the maximum size of the E-mail, the format of the information of the attached file and the maximum file size of the file information.

8. The information processing apparatus according to claim 6 wherein the information accommodating capability of said reception terminal or said communication system

encompassing said reception terminal includes the maximum size of the E-mail, the image format of the attached image file, the maximum file size of the image file, the maximum pixel size of the image corresponding to said image file, and the maximum number of colors of the image corresponding to said image file.

9. The information processing apparatus according to claim 6 wherein, if said image file is a moving image file and the information accommodating capability of said reception terminal or said communication system encompassing said reception terminal corresponds only to a still image file, said information converting means renders one or plural frames making up said moving image file into the file information attached to said E-mail.

10. An information processing method for transmitting the information to be transferred to a reception terminal, comprising:

verifying the information accommodating capability in a reception terminal or in a communication system encompassing said reception terminal, based on the destination information in sending the transfer information to said reception terminal;

converting the transfer information to be transmitted in meeting with the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal if the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal is not matched to said transfer information to be transmitted; and

transmitting said transfer information.

11. The information processing method according to claim 10 wherein the E-mail information not having a file attached thereto is sent as said transfer information to said reception terminal.

12. The information processing method according to claim 11 wherein said accommodating capability decision decides the information accommodating capability of each reception terminal based on a domain name of an E-mail address as said destination information and/or a previously provided table of information accommodating capabilities of reception terminals or a communication system encompassing said reception terminals.

13. The information processing method according to claim 11 wherein, if said reception terminal or the communication system encompassing said reception terminal is not matched to the file information, there is generated the E-mail information stating a method enabling an owner of said reception terminal to confirm the contents of said file information to be confirmed, and the resulting E-mail is transmitted.

14. The information processing method according to claim 13 wherein, if said reception terminal or the communication system encompassing said reception terminal is not matched to the file information, the accessing information to saving means for saving said file information is stated in said E-mail as the method enabling the contents of said file information to be confirmed.

15. The information processing method according to claim 11 wherein the file

information attached to said E-mail is an image file.

16. The information processing method according to claim 11 wherein the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal includes the maximum size of an E-mail, the format of said attached file information and the maximum file size of said file information.

17. The information processing method according to claim 15 wherein the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal includes the maximum size of an E-mail, the image format of said attached image file, the maximum file size of said image file, maximum pixel size of an image matched to said image file and the maximum number of colors of an image corresponding to said image file.

18. The information processing method according to claim 15 wherein, if the image file is a moving image file and the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal is matched only to a still image file, one frame only or plural frames making up said moving image file is rendered into the file information attached to said E-mail.

19. An information processing system comprising:

one or more reception terminals and

one or more transmission terminals;

said transmission terminal sending the transfer information to a desired

reception terminal including accommodating capability verifying means for verifying the information accommodating capability in said reception terminal or in a communication system encompassing said reception terminal, based on the destination information in sending the transfer information to said reception terminal, information converting means for converting the transfer information to be transmitted in meeting with the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal if the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal is not matched to said transfer information to be transmitted, and transmission means for transmitting said transfer information;

said reception terminal including reception means for receiving said transfer information sent from said transmission terminal and information opening means for opening the transfer in received.

20. The information processing system according to claim 19 wherein the E-mail information not having a file attached thereto is sent as said transfer information to said reception terminal.

21. The information processing system according to claim 20 wherein said accommodating capability decision means decides the information accommodating capability of each reception terminal based on a domain name of an E-mail address as said destination information and/or a previously provided table of information accommodating capabilities of reception terminals or a communication system

encompassing said reception terminals.

22. The information processing system according to claim 20 wherein, if said reception terminal or the communication system encompassing said reception terminal is not matched to the file information, said information terminal generates the E-mail information stating a system enabling an owner of said reception terminal to confirm the contents of said file information to be confirmed, and the resulting E-mail is transmitted by said transmission means.

23. The information processing system according to claim 22 wherein, if said reception terminal or the communication system encompassing said reception terminal is not matched to the file information, said information converting means of said transmission terminal states the accessing information to saving means for saving said file information in said E-mail as the method enabling the contents of said file information to be confirmed.

24. The information processing system according to claim 20 wherein the file information attached to said E-mail is an image file.

25. The information processing system according to claim 20 wherein the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal includes the maximum size of an E-mail, the format of said attached file information and the maximum file size of said file information.

26. The information processing system according to claim 24 wherein the information

accommodating capability of said reception terminal or the communication system encompassing said reception terminal includes the maximum size of an E-mail, the image format of said attached image file, the maximum file size of said image file, maximum pixel size of an image matched to said image file and the maximum number of colors of an image corresponding to said image file.

27. The information processing system according to claim 24 wherein, if the image file is a moving image file and the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal is matched only to a still image file, said information converting means of said transmission terminal renders one frame only or plural frames making up said moving image file into the file information attached to said E-mail.

28. An information processing method comprising:

verifying the information accommodating capability in said reception terminal or in a communication system encompassing said reception terminal based on the destination information in transmitting the transfer information to said reception terminal;

converting the transfer information to be transmitted in meeting with the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal if the information accommodating capability in said reception terminal or in said communication system encompassing said reception terminal is not matched to said transfer information to be



transmitted;

transmitting said transfer information;

receiving said transfer information transmitted; and

opening the transfer information received.

29. The information processing method according to claim 28 wherein the E-mail information not having a file attached thereto is sent as said transfer information to said reception terminal.

30. The information processing method according to claim 29 wherein said accommodating capability decision decides the information accommodating capability of each reception terminal based on a domain name of an E-mail address as said destination information and/or a previously provided table of information accommodating capabilities of reception terminals or a communication system encompassing said reception terminals.

31. The information processing method according to claim 29 wherein, if said reception terminal or the communication system encompassing said reception terminal is not matched to the file information, the E-mail information stating a method enabling an owner of said reception terminal to confirm the contents of said file information is generated;

said E-mail is sent;

the E-mail transmitted is received; and

a method for enabling confirmation of the contents of said file information

stated in the E-mail received is executed.

32. The information processing method according to claim 29 wherein, if said reception terminal or the communication system encompassing said reception terminal is not matched to the file information, the accessing information to saving means for saving said file information is stated in said E-mail as a method enabling confirmation of the contents of said file information;

said E-mail is transmitted;

the E-mail transmitted is received; and

said saving means is accessed based on the accessing information stated in the E-mail received.

33. The information processing method according to claim 29 wherein the file information attached to said E-mail is an image file.

34. The information processing method according to claim 29 wherein the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal includes the maximum size of an E-mail, the format of said attached file information and the maximum file size of said file information.

35. The information processing method according to claim 33 wherein the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal includes the maximum size of an E-mail, the image format of said attached image file, the maximum file size

of said image file, maximum pixel size of an image matched to said image file and the maximum number of colors of an image corresponding to said image file.

36. The information processing method according to claim 33 wherein, if the image file is a moving image file and the information accommodating capability of said reception terminal or the communication system encompassing said reception terminal is matched only to a still image file, one frame only or plural frames making up said moving image file are rendered into the file information attached to said E-mail.

37. A medium for causing an information processing apparatus to execute a program comprising:

a step of verifying the information accommodating capability in a reception terminal or a communication system encompassing said reception terminal based on the destination information in sending the transfer information to a reception terminal;

a step of converting the transfer information transmitted in keeping with the information accommodating capability in said reception terminal or a communication system encompassing said reception terminal if the information accommodating capability in said a reception terminal or the communication system encompassing said reception terminal is not matched to said transfer information transmitted; and

a step of sending said transfer information.

38. A medium for causing an information processing apparatus to execute a program comprising:

a step of verifying the information accommodating capability in a reception

terminal or a communication system encompassing said reception terminal based on the destination information in sending the transfer information to a reception terminal;

a step of converting the transfer information transmitted in keeping with the information accommodating capability in said reception terminal or a communication system encompassing said reception terminal if the information accommodating capability in said a reception terminal or the communication system encompassing said reception terminal is not matched to said transfer information transmitted;

a step of sending said transfer information;

a step of receiving the transfer information transmitted; and

opening the transfer information received.